




New York [Sto]ries

sto 
Building with conscience.

Architecture Empowered by Advanced Wall Technologies

Staying on top of cutting-edge design. Creating the landmarks of the future and preserving icons from the past. Taking advantage of new materials and new processes. Responding to almost constant pressure to shorten project timelines from concept through execution.

The challenges you face are growing almost daily. That is why Sto is dedicated to helping you meet the demands of 21st century architecture. For more than 100 years, we have worked with design professionals like you, providing the advanced tools to honor the past and shape the future.

The stories in this book are only a glimpse of the breadth and scope of Sto's contributions to the architectural landscape. They show how we bring the latest technologies and materials to every project, helping make your creative vision a reality.





Knickerbocker Commons Built to Passive House Standards

When architect Chris Benedict, R.A., of New York first settled on a passive house design for the Knickerbocker Commons 30-unit apartment complex, she knew she needed an airtight building envelope with intelligently modelled, high-performance façade insulation to keep interior temperatures steady.

Benedict selected façade insulation with Lotus-Effect® Technology (StoTherm ci Lotusan®) from Sto Corp. The results have been outstanding.

According to various accounts, the 29,705-square-foot, \$8.5 million building uses 85 to 90 percent less energy than a conventionally heated building. And, despite the expectation that the new standard would incur additional cost, it actually was no more expensive to build. An added bonus: the system also reduces outside noise intrusion.

Knickerbocker Commons is the second affordable housing passive house in the United States, according to the EIFS Industry Members Association (EIMA). It also has been included as a case study in New York City Mayor Bill de Blasio's 111-page green buildings initiative.

Architect:

Chris Benedict, R.A., New York

Building Owner:

RiseBoro Community Partnership
New York

Location:

Knickerbocker Avenue
Brooklyn, New York

Sto Products:

Façade insulation system
with Lotus-Effect® Technology
(StoTherm® ci with
Stolit® Lotusan® finish)

Lido Beach Towers, Restored to Former Glory, Weathers a Hurricane

Built in 1929 as a 300-room seaside resort, Lido Beach Towers was converted to a 184-unit condominium development in 1981. By 2005, it was a building in distress. Two stair towers were condemned. One had already collapsed. Water and air were leaking into the structure. Energy was streaming out.

The condo association chose P.E. Consulting Engineers of New York to assess the situation. The company recommended a StoTherm® ci EIFS system with StoSilco Lit® finish to repair and seal the building. And the results have been outstanding, with the structure returned to its former prominence, the leaks sealed and the increased energy savings measured at 32.5 percent. The restoration couldn't have come at a better time.

Architect:

Adriana Trucco, R.A., Senior Architect
P.E. Consulting Engineers, New York

Building Owner:

Lido Beach Towers Condominium
Lido Beach, New York

Location:

Lido Beach on Long Island, New York

Sto Products:

StoTherm® ci with StoSilco Lit® finish

Not long after project completion, Hurricane Sandy struck the East Coast, and this Long Island area landmark took a severe hit. The storm damaged 18 first-floor units. But the renewed façade emerged largely intact, the only apparent damage resulting from flying debris.





333 Grand Preserves an Iconic Exterior

Liberty Harbor in Jersey City, NJ, was conceived as a classic urbanist community with the charm and feel of an historic neighborhood. Located on 2,500 feet of Hudson Bay waterfront, the building needed an exterior wall system that could stand up to the elements. Developer Peter Mocco wanted to preserve the elegant exterior—a curved brick envelope with nine major architectural attributes and five continuous architectural elements.

Mocco met all his objectives using a StoTherm® ci wall system with Sto Limestone and StoCreativ® Brick specialty finishes. The StoTherm system improved occupant comfort and indoor air quality, maintaining curb appeal and lowering lifecycle cost. Plus, it's energy-efficient and gives the building a much smaller carbon footprint as well as higher LEED certification results.

StoCreativ Brick gave Mocco and his team exceptional design versatility – unlimited colors, different brick veneer textures and the ability to create decorative custom shapes in a way that was not possible with other claddings.

Architect:

Urban Architecture

Building Owner:

Peter Mocco

Location:

333 Grand Street
Jersey City, New Jersey

Sto Products:

StoTherm® ci wall system with
Sto Limestone and StoCreativ® Brick
specialty finishes

Georgia King Village Gets a Makeover

Built in 1976, Georgia King Village in Newark, NJ, needed a variety of improvements to its 422 residential units. Energy loss through the uninsulated precast concrete façades was so significant that it was difficult to retain a livable temperature in some of the residences. The owners, L+M Development, wanted to achieve a complete transformation of the structures.

L+M chose StoTherm® ci, a system that combines StoTherm® technology with a StoGuard® waterproof air barrier with air, water and vapor-control layers and protection against moisture intrusion. To improve the speed and efficiency of the installation, the system was installed with Sto TurboStick®, a ready-to-use, single-component, polyurethane foam adhesive.

Architect:

N/A

Building Owner:

L+M Development Partners, Inc.

Location:

Fairmount neighborhood
Newark, New Jersey

Sto Products:

StoTherm® ci, installed with
Sto TurboStick®

Residents were able to remain in their apartments while the improvements were made. And the complex has become a symbolic cornerstone in Newark's West Ward.



Hyatt House® Combines Beauty and Practicality

The new Hyatt House®, the first of the chain's flagship accommodations in the Big Apple, is located at one of the busiest intersections in Manhattan. The architect, Nobutaka Ashihara Architects P.C., employed an intriguing approach for the 32-story, 300-foot structure façade—using both natural and manmade surface materials to deliver curb appeal while also saving time and money.

The first eight stories are covered with two-inch manufactured limestone, while the floors above use StoTherm ci Lotusan®, Sto's premium continuous insulation wall system, with limestone finish. As a result of its irregular concrete substrate, the contractor, EDI Contracting Inc. of Mt. Vernon, NY, had to work on the building one floor at a time, making custom adjustments in insulation thickness.

Architect:

Nobutaka Ashihara Architects P.C.
New York

Building Owner:

Hyatt Corporation

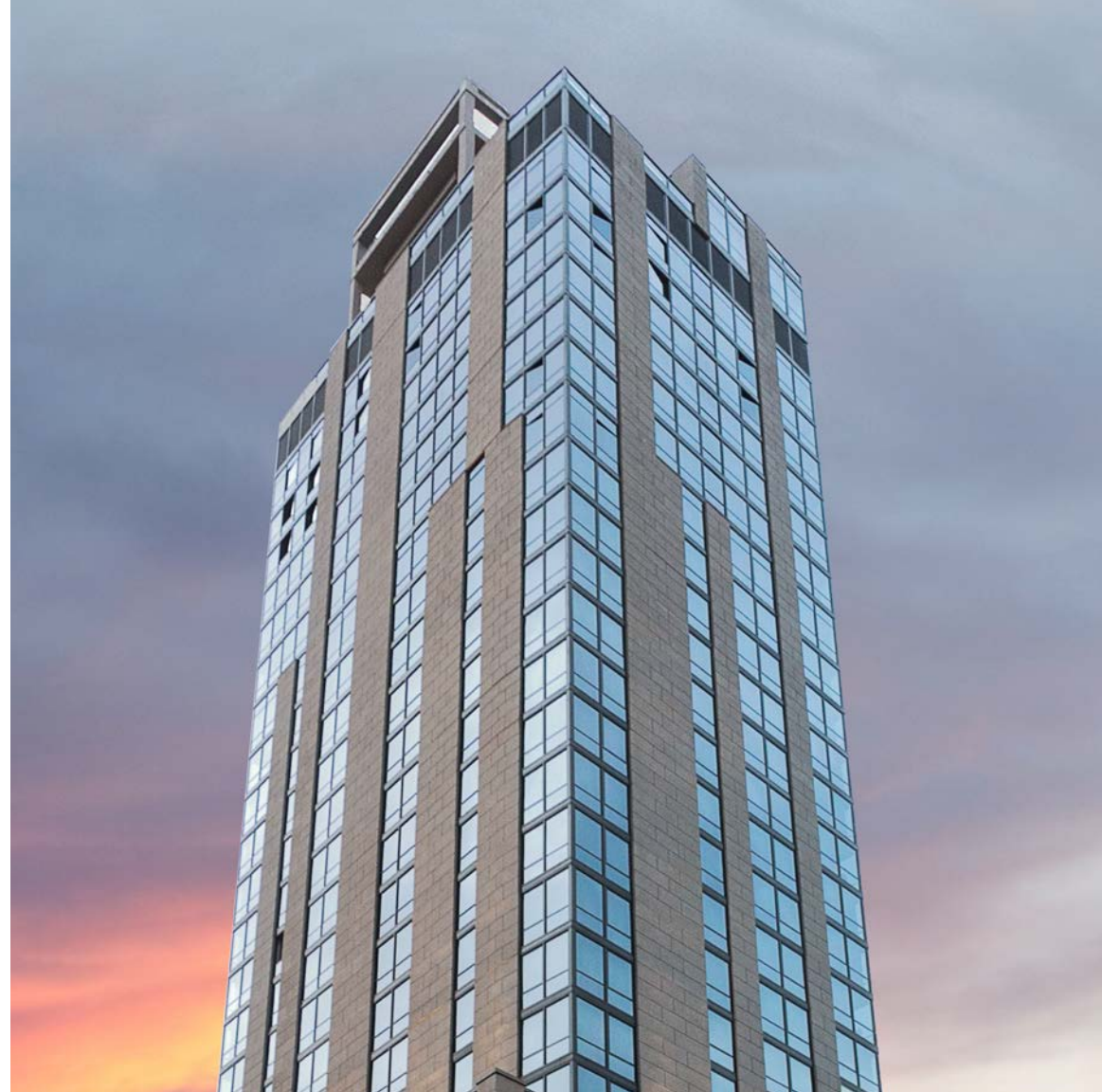
Location:

815 Avenue of the Americas
Chelsea, New York

Sto Products:

StoTherm® ci with Stolit® Lotusan®
finish in limestone texture

The Sto cladding is a close match with the authentic limestone and was much easier to install, according to the contractor. Crews worked continuously throughout the 15-month schedule, spanning all four seasons. And met an aggressive timeframe.



Our Goal: Achieving Your Design Vision

Over the years, Sto has pioneered revolutionary wall technologies, transforming the way buildings are built, renovated and enhanced.

The Sto HP Colorant system of 800 colors, formulated as a direct complement to the range of human visual perception, has become an industry standard since it was created in 1965. We also introduced the world's most energy-efficient and easy-to-apply insulation and finishing system in 1963.

We've been innovating ever since. We have 160 scientists and technologists in our Research and Development operation globally. And we coordinate closely with our clients to make sure we're always at the cutting edge of both form and function.

To achieve your design vision, you need a palette of epic proportions. You need the world's most advanced exterior wall systems, coatings and finishes. You need Sto.

Ready to start your Sto [sto]ry? Visit www.stocorp.com



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